

Group work results of the workshop

New frontiers of digital learning platforms: A workshop about digital education ethics

Digital Education Ethics Framework (DEEF) by Lemke/Kirchner/Faustmann/Monett

<p>Defined DEEF Role</p> <p>Learner</p>	<p>Relationships between the ethical aspects of your role and the platform provider</p> <p>Non-discrimination: functionality only with a certain bandwidth/speed/operating systems hardware → availability for all (ex. international context)</p> <p>Transparency: Who has access to my data? Criteria(algorithm) of evaluation</p> <p>Accountability: Where is my data stored technical errors are sent by email to both students and the teacher</p>
<p>Selected Ethical Aspects</p> <p>Accountability (each right before deleted)</p> <p>Transparency (grading system)</p> <p>Non-discrimination (usability, reliability) barriers/needs etc.</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Usability</p>	<p>Summarized statement for team pitch</p> <p>Lack of usability / motivation</p>

Ethical aspects summarized: Human agency, oversight (human autonomy & decision-making, enabling a democratic, flourishing & equitable society); Robustness, safety (preventative approach to risks, minimizing/preventing harm); Privacy, governance (production, quality, integrity of data & users); Diversity, fairness, non-discrimination (ensuring equal access & inclusivity); Transparency (traceability, explainability, communication); Accountability (ensure responsibility & accountability); Societal, environmental well-being (sustainability, social impact, society & democracy).

Digital Education Ethics Framework (DEEF) by Lemke/Kirchner/Faustmann/Monett

<p>Defined DEEF Role</p> <p>Teacher</p>	<p>Relationships between the ethical aspects of your role and the platform provider</p> <p>increasing degree of freedom regarding usability scope of function (ex. data) staff development</p> <p>on my barriers / accessibility</p> <p>problematic 'conditions' / 'wishes'</p>
<p>Selected Ethical Aspects</p> <p>Human agency, oversight</p> <p>2) diversity, fairness</p> <p>3) accountability</p> <p>1)</p>	<p>Summarized statement for team pitch</p> <p>Self-optimization freedom of teaching!</p>

Ethical aspects summarized: Human agency, oversight (human autonomy & decision-making, enabling a democratic, flourishing & equitable society); Robustness, safety (preventative approach to risks, minimizing/preventing harm); Privacy, governance (production, quality, integrity of data & users); Diversity, fairness, non-discrimination (ensuring equal access & inclusivity); Transparency (traceability, explainability, communication); Accountability (ensure responsibility & accountability); Societal, environmental well-being (sustainability, social impact, society & democracy).

Digital Education Ethics Framework (DEEF) by Lemke/Kirchner/Faustmann/Monett

Defined DEEF Role
Institution

Selected Ethical Aspects

- Accountability
- Diversity, fairness & non-discrimination
- Robustness, safety

Relationships between the ethical aspects of your role and the platform provider

- access to relevant data to prevent harm
- access to and transparency of any algorithm used
- ability to limit the data that the provider uses
- Roles and permissions
- clear contractual structure tailored to HEI
- data safety
- ability to adjust algorithm
- access to Meta-Data
- research access to ~~own~~ data needed to review the algorithm

Summarized statement for team pitch

- structured data system that can be evaluated, reviewed and improved
- data system includes: roles and permissions, algorithm, meta data, access, control

Ethical aspects summarized: Human agency, oversight (human autonomy & decision-making, enabling a democratic, flourishing & equitable society); Privacy, governance (protection, quality, integrity of data & users); Diversity, fairness, non-discrimination (ensuring equal access & inclusivity); Transparency (traceability, explainability, communication); Accountability (ensure responsibility & accountability); Social, environmental well-being (sustainability, social impact, society & democracy).

Lemke/Kirchner/Faustmann/Monett (2019): New Frontiers of Digital Learning Platforms: A Workshop Report of Digital Education Ethics in Strategies Beyond Borders Conference – Transforming Higher Education in Digital Age, Berlin, 04-07 December 2018.

Manging the institution allocation of responsibility

Insuring ethical objectives of the institute ~~goals~~ in the use of technology

Do-no harm & prevent harm

Thank you for your contributions!

Dagmar Monett

Kathrin Kirchner

Claudia Lemke

Gert Faustmann